



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304
(304) 926-0450
(304) 926-0452 fax

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

February 11, 2014

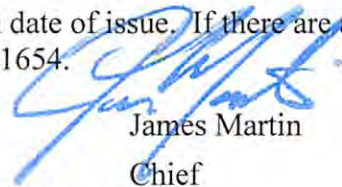
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-2100736, issued to EQT PRODUCTION COMPANY, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.



James Martin
Chief

Operator's Well No: 1631
Farm Name: FURR, FLOYD
API Well Number: 47-2100736
Permit Type: Plugging
Date Issued: 02/11/2014

PERMIT CONDITIONS

West Virginia Code § 22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.

2100736P

Form WW-4 (B)
Permit Copy
(Rev 2/01)

Date: January 23, 2014
Operator's Well
Well No. 656401 Floyd Furr 1631
API Well No.: 47 021 - 00736

CK 17256
100⁰⁰

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

- 4) Well Type: Oil Gas X Liquid Injection Waste Disposal:
If Gas, Production X Or Underground storage Deep Shallow X
- 5) Elevation: 1114 Watershed: Cedar Creek of Little Kanawha River
Location: Center County: Gilmer Quadrangle: Tanner
District:
- 6) Well Operator EQT Production Company
120 Professional Place
Address: Bridgeport, WV 26330
- 7) Designated Agent: Rex C. Ray
Address: 120 Professional Place
Bridgeport, WV 26330
- 8) Oil & Gas Bryan Harris
Name: P.O. Box 157
Address: Volga, WV 26238
- 9) Plugging Contractor:
Name: HydroCarbon Well Service
Address: PO BOX 995
Buckhannon, WV 26201

- 10) Work Order: The work order for the manner of plugging this well is as follows:
See Attachment for details and procedures.

Tag all plugs to verify depth
Plug across any casing cuts.
Remove all casing not cemented

RECEIVED
Office of Oil and Gas

FEB 04 2014

West Virginia Department of
Environmental Protection

OFFICE USE ONLY

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector

Bryan O. Harris Date 1-31-14

02/14/2014

PLUGGING PROGNOSIS - Weston

Fur # 1631 (656401)

GILMER, County, WV
 API # 47-021-00736
 Center District

BY: Craig Duckworth
 DATE: 11/12/13

CURRENT STATUS:

10" csg @ 217'
 8 1/4" csg @ 998' (packer 998')
 6 5/8" csg @ 1800' (packer @ 1675')

PERF F6P 1695-1705

TD @ 1963'

Fresh Water @ 60' **Salt Water** @ None reported
1st Salt Sand @ 1145' **Coal** @ None reported
Gas shows @ Big Injun 1938'; Blue Monday 1780'-1793'; Maxton 1695'-1704'
Oil Shows @ None reported
Stimulation: None reported

1. Notify State Inspector, Bryan Harris 304-553-6087, 24 hrs. Prior to commencing operations.
2. TIH w/ tbg @ 1938'; Set 188' C1A Cement Plug @ 1938' to 1750' (Gas shows @ 1938' Big Injun)
3. Attempt to pull 6 5/8" if unable to pull , free point and cut at top of packer @ 1675'
4. TOO H w/ tbg @ 1750; gel hole @ 1750' to 1650'.
5. Set a 100' C1A Cement Plug 50' In/Out of cut. Perf. All FW, Coal, Oil and Gas shows below 6 5/8" cut. Do not omit any plugs
6. TIH w/tbg @ 1650'; Set 100' C1A Cement Plug @ 1650' to 1550' (6 5/8" csg)
7. TOO H w/ tbg @ 1550; gel hole @ 1550' to 1145'.
8. TOO H w/ tbg @ 1145' ; Set 200' C1A Cement Plug @ 1145' to 948' (Salt Sand @ 1145' & 8 1/4" csg set 998')
9. Set a 100' C1A Cement Plug 50' In/Out of cut. Perf. All FW, Coal, Oil and Gas shows below 8 1/4" cut. Do not omit any plugs
10. TOO H w/ tbg @ 948'; gel hole @ 948' to 550'
11. TOO H w/ tbg @ 550'; Set 100' C1A Cement Plug @ 550' to 450 (Safety Plug)
12. TOO H w/ tbg @ 450'; gel hole @ 450' to 200
13. TOO H w/ tbg @ 267'; Set 267' C1A Cement Plug @ 267' to Surface (10" csg @ 217')
14. Top off as needed
15. Set Monument to WV-DEP Specifications
16. Reclaim Location & Road to WV-DEP Specifications

PREPARED
 BY: [Signature]
 DATE: 11/12/13
 ENGINEER: [Signature]

02/14/2014

WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
W E L L R E C O R D

Permit No. Gil 736
Glenville Quad.
Company
Address
Farm
Location
Well No.
District
Surface
Mineral
Commenced
Completed
Volume
Rock Pressure
Fresh Water

Carnegie Natural Gas Company
1015 Frick Bldg., Pittsburgh, Pa. 10.
Floyd Furr Acres 133
Paddys Run
2
1631 Elev. 1116'
Center Gilmer County

Gas Well
CASING & TUBING

10.	217	217
8 1/2	998	998
6 5/8	1800	1800

Packer

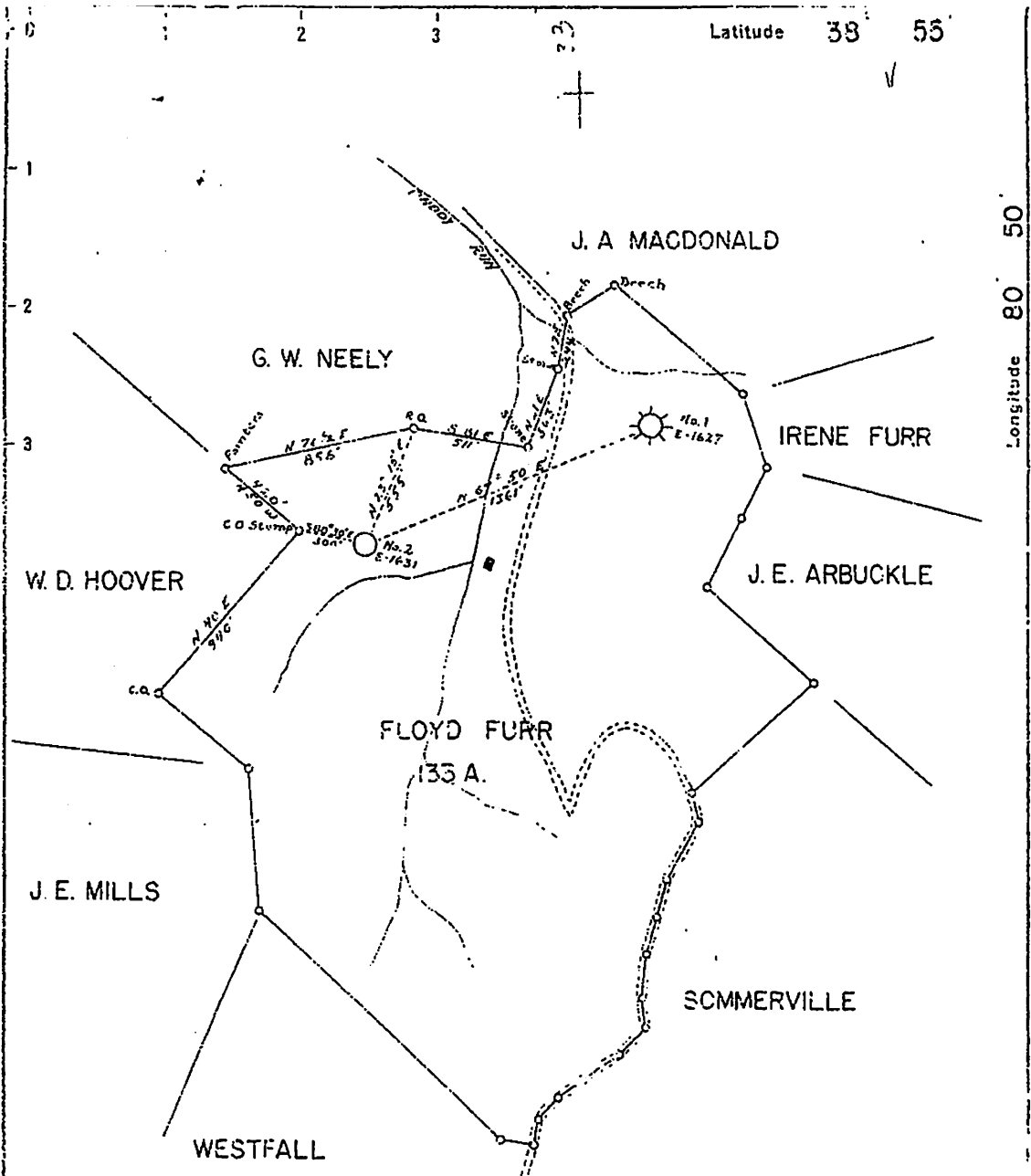
8 1/2 x 10" Bottom Hole
Depth 998
Anchor
6 5/8 x 8 1/2
1675

See below
January 27, 1947
March 3, 1947
158,000 C.F.
253 lbs. 60 hrs.
60' 1 blr. per hr.

Perf. top 1695-1705

Clay R	S	7	20	Sand Dk	H	1864	1945
Sand Wh	H	20	25	Slate	S	1945	
Red Rock	S	25	30				
Slate	S	30	60	Gas show 1936'	Big Injun Sand		
Red Rock	S	60	100	TOTAL DEPTH			1963
Slate	S	100	150	OWNERS OF SURFACE:			
Red Rock	S	150	170	C. Burke Morris, Clarksburg, W. Va.			
Slate	S	170	195	Milton Woofter, Jane Lew, W. Va.			
Red Rock	S	195	215	S. A. Smith, Clarksburg, W. Va.			
Lime Gr	H	215	260	OWNERS OF MINERAL RIGHTS			
Slate Wh	S	260	272	Will E. Morris, Clarksburg, W. Va.			
Red Rock	S	272	325	C. Burke Morris, Clarksburg, W. Va.			
Lime	H	325	360	S. A. Smith, Clarksburg, W. Va.			
Red Rock	S	360	450	E. G. Rohrbough, Glenville, W. Va.			
Sand	H	450	475	Milton Woofter, Jane Lew, W. Va.			
Slate	S	475	490	L. Dunkard			
Lime Wh	H	490	534	Big Dunkard			
Slate Wh	S	534	540	1st Salt Sand			
Lime	H	540	565				
Red Rock	S	565	585				
Lime Wh	H	585	610				
Slate	S	610	620				
Sand Dk	H	620	675				
Slate	S	675	710				
Lime	H	710	718				
Sand Dk	H	718	800				
Shells	M	800	945				
Gas Sand	H	945	982				
Slate Bk	S	982	1090				
Sand Dk	H	1090	1140				
Slate Bk	S	1140	1188				
Lime Dk	H	1188	1198				
Slate	S	1198	1230				
Lime Bk	H	1230	1230				
Slate Wh	S	1230	1240				
2nd Salt Sand	H	1240	1275				
Shells Bk	M	1275	1275				
Lime Wh	H	1275	1290				
Slate Bk	S	1290	1325				
Sand	H	1325	1390				
Slate	S	1390	1475				
Lime	H	1475	1525	3rd Salt Sand			
Sand Wh	H	1525	1530				
Slate	S	1530	1535				
Lime	H	1535	1555	4th Salt Sand			
Sand Wh	H	1555	1590				
Slate	S	1590	1618				
Lime	H	1618	1665				
Sand Mason Wh	H	1665	1707	Gas 1695-1704			
Slate Bk	S	1707	1718				
Pink Rock	S	1718	1722				
Lime Gr	H	1722	1728				
Red Rock	S	1728	1733				
Slate Bk	S	1733	1739				
Lime Dk	H	1739	1755	Little Lime			
Slate, Pencil Cave Dk	S	1755	1757				
Sand Wh	H	1757	1797	Blue Monday Gas 1780-93'			
Big Lime	H	1797	1864				

2100736P



New Location X
 Drill Deeper
 Abandonment

Company CARNEGIE NATURAL GAS CO.
 Address PITTSBURGH PA.
 Farm FLOYD FURR
 Tract _____ Acres 133 Lease No. E-11922
 Well (Farm) No. 2 Serial No. E-1631
 Elevation (Spirit Level) 1116' (BAR)
 Quadrangle GLENVILLE N.W.
 County GILMER District CENTER
 Engineer R. L. SWEENEY
 Engineer's Registration No. _____
 File No. _____ Drawing No. _____
 Date NOV. 15, 1946 Scale 1" = 600'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. GIL-736

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

70975

1) Date: January 23, 2014
2) Operator's Well Number 656401 Floyd Furr 1631
3) API Well No.: 47 021 - 00736
State County Permit

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS
NOTICE AND APPLICATION TO PLUG AND ABANDON WELL

4) Surface Owner(s) to be served:
(a) Name William R Stalnakar
Address 160 Stalnakar Estate ✓
Glenville, WV 26351
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Bryan Harris ✓
Address P.O. Box 157
Volga, WV 26238
Telephone 304.553.6087

5) (a) Coal Operator:
Name None
Address _____
(b) Coal Owner(s) with Declaration
Name Mary J Holy
P.O. Box 533 ✓
Address Jane Lew, WV 26378
Name _____
Address SEE ATTACHED
(c) Coal Lessee with Declaration
Name _____
Address _____

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
 - (2) The plat (surveyor's map) showing the well location on Form WW-6.
- The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Division of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.



OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
Pamela Sykes
EQT Production
PO Box 280
Bridgeport, WV 26330
My Commission Expires Aug. 24, 2022

Well Operator:
Name:
Address:
Telephone:

EQT Production Company
Victoria J. Roark
Permitting Supervisor
PO Box 280
Bridgeport, WV 26330
(304) 848-0076

Subscribed and sworn before me this 23 day of January, 2014
Pamela Sykes Notary Public
My Commission Expires: 8-24-22

The Office of Oil & Gas processes your personal information, such as name, address and phone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

WW2-A

Additional Coal Owners:

Will E Morris Heirs Trust ✓
JP Morgan Chase Bank NA (Trustee)
P.O. Drawer 99084
Fort Worth TX 76199-0084

I.L. Morris ✓
P.O. Box 397
Glennville, WV 26351-0397

S.A. Smith & C Burke Morris Trust ✓
Bank One WV NA Trustee/Agt
Drawer 99084
Fort Worth, TX 76199-0084

Ernest L Arbuckle Family Trust ✓
Security Trust Co Trustee
1300 Chapline St
Wheeling, WV 26003-3348

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS
CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name: EQT PRODUCTION COMPANY OP ID: _____
Watershed: Cedar Creek of Little Kanawha River Quadrangle: Tanner
Elevation: 1114 County: Gilmer District: Center

Description of anticipated Pit Waste: Formation Fluids

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes___ NoX
Will synthetic liner be used in the pit? Yes Is so, what ml.? 30 ml

Proposed Disposal Method for Treated Pit Wastes:

- Land Application
- Underground Injection - UIC Permit Number _____
- Reuse (at API Number) _____
- Offsite Disposal Permit #. _____
- Other: Explain _____

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. _____
If oil based, what type? Synthetic, petroleum, etc. _____

Additives to be used? _____

Will closed loop system be used? _____

Drill Cuttings disposal method? Leave in pit, landfill, remove offsite, etc. _____
If left in pit and plan to solidify what medium will be used? Cement, Lime, sawdust _____
Landfill or offsite name/permit number? _____

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Division of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any terms or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

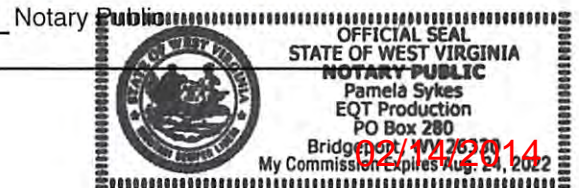
Company Official Signature *Victoria Roark*

Company Official (Typed or Printed) Victoria Roark

Company Official Title Permitting Supervisor-WV

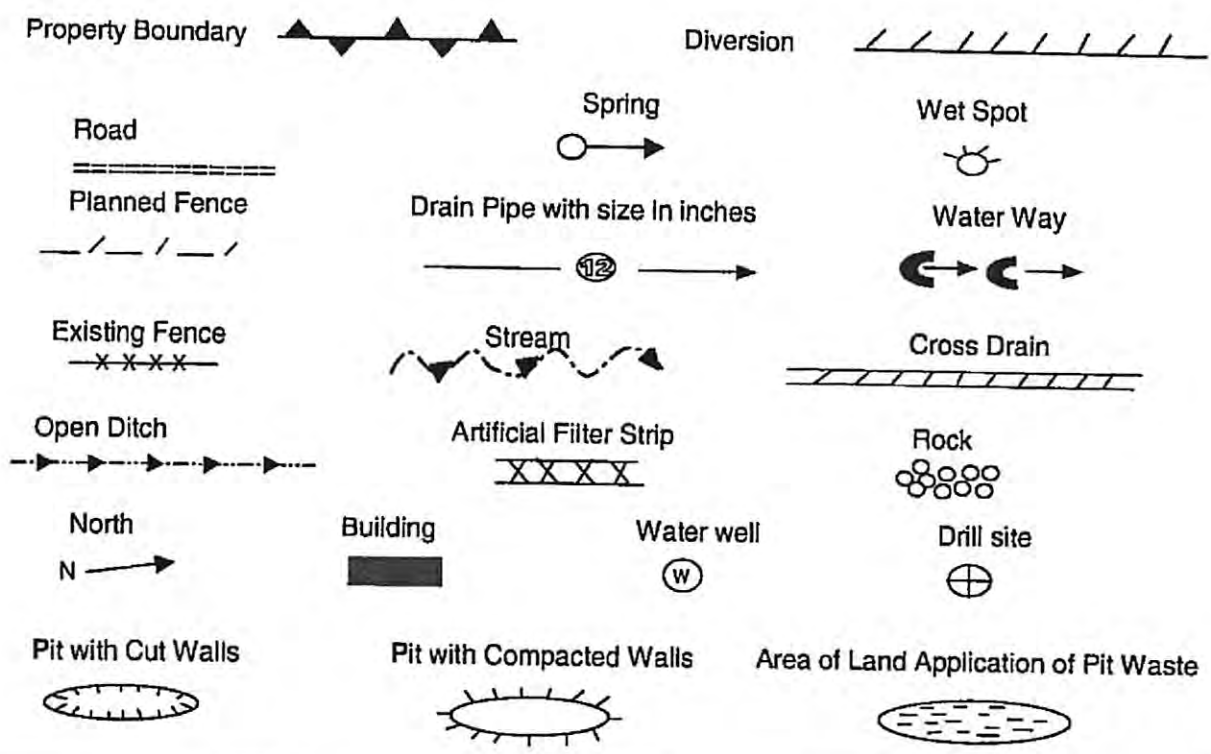
Subscribed and sworn before me this 23 day of January, 2014

My Commission Expires 8-24-22



OPERATOR'S WELL NO.:
656401 Floyd Furr 1631

LEGEND



Proposed Revegetation Treatment: Acres Disturbed: 1± Prevegetation pH 5.8

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20) or equivalent 1/3 ton lbs/acre (500 lbs minimum)

Mulch 2 Tons/acre or hydroseed.

SEED MIXTURES

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
KY-31	40	Orchard Grass	15
Alsike Clover	5	Alsike Clover	5
Annual Rye	15		

ATTACH:
 Drawing(s) of road, location, pit and proposed area for land application.
 Photocopies section of involved 7.5' topographic sheet.

Plan approved by: Bryan O'Hara

Comments: _____

Title: Oil & Gas Inspector Date: 1-31-14
 Field Reviewed? Yes No

RECEIVED
 Office of Oil and Gas
 FEB 04 2014

WV Department of
 Environmental Protection

Topo Quad: Tanner 7.5'

Scale: 1" = 2000'

2100736P

County: Gilmer

Date: December 16, 2013

District: Center

Project No: 25-19-00-07

47-021-00736 WV 656401 (Floyd Furr 1631)

Topo



47-021-00736
WV 656401

NAD 27, South Zone
 N: 694,687.38
 E: 2,030,005.98
 WGS 84
 LAT: 38.907776
 LONG: -80.894389
 ELEV: 1113.93



SURVEYING AND MAPPING SERVICES PERFORMED BY:
ALLEGHENY SURVEYS, INC.

1-800-482-8606
 P.O. BOX 438
 BIRCH RIVER, WV 26610
 PH: (304) 649-8606
 FAX: (304) 649-8608

PREPARED FOR:

EQT Production Company

P.O. Box 280
 Bridgeport, WV 26330

02/14/2014

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-021-00736 WELL NO.: WV 656401 (Floyd Furr 1631)

FARM NAME: Floyd Furr

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Gilmer DISTRICT: Center

QUADRANGLE: Tanner 7.5'

SURFACE OWNER: William R. Stalnaker

ROYALTY OWNER: Carnegie Natural Gas Company, et al.

UTM GPS NORTHING: 4306548

UTM GPS EASTING: 509157 GPS ELEVATION: 339 m (1114 ft)

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

- Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
- Accuracy to Datum – 3.05 meters
- Data Collection Method:
Survey grade GPS : Post Processed Differential
Real-Time Differential
Mapping Grade GPS X: Post Processed Differential X
Real-Time Differential

4. Letter size copy of the topography map showing the well location.
I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

Stacy Oborn
Signature
1/2/14
Date

PS # 2180
Title



POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY

LEASE NAME AND WELL No. Floyd Furr 1631 - WV 656401 - API No. 47-021-00736

POTENTIAL SAMPLE LOCATIONS

There appears to be no known water samples within the required 1000' of the existing well WV 656401.

BIRCH RIVER OFFICE
P.O. Box 438 • 237 Birch River Road
Birch River, WV 26610
phone: 304-649-8606
fax: 304-649-8608

BRIDGEPORT OFFICE
172 Thompson Drive
Bridgeport, WV 26330
phone: 304-848-5035
fax: 304-848-5037

CALDWELL OFFICE
212 Cumberland Street
Caldwell, OH 43724
phone: 740-305-5007
fax: 740-305-5126

ALUM CREEK OFFICE
P.O. Box 108 • 1413 Childress Road
Alum Creek, WV 25003
phone: 304-756-2949
fax: 304-756-2948

RECEIVED
Office of Oil and Gas
J. ...
Environmental Protection

Topo Quad: Tanner 7.5'

Scale: 1" = 2000' 2100736P

County: Gilmer

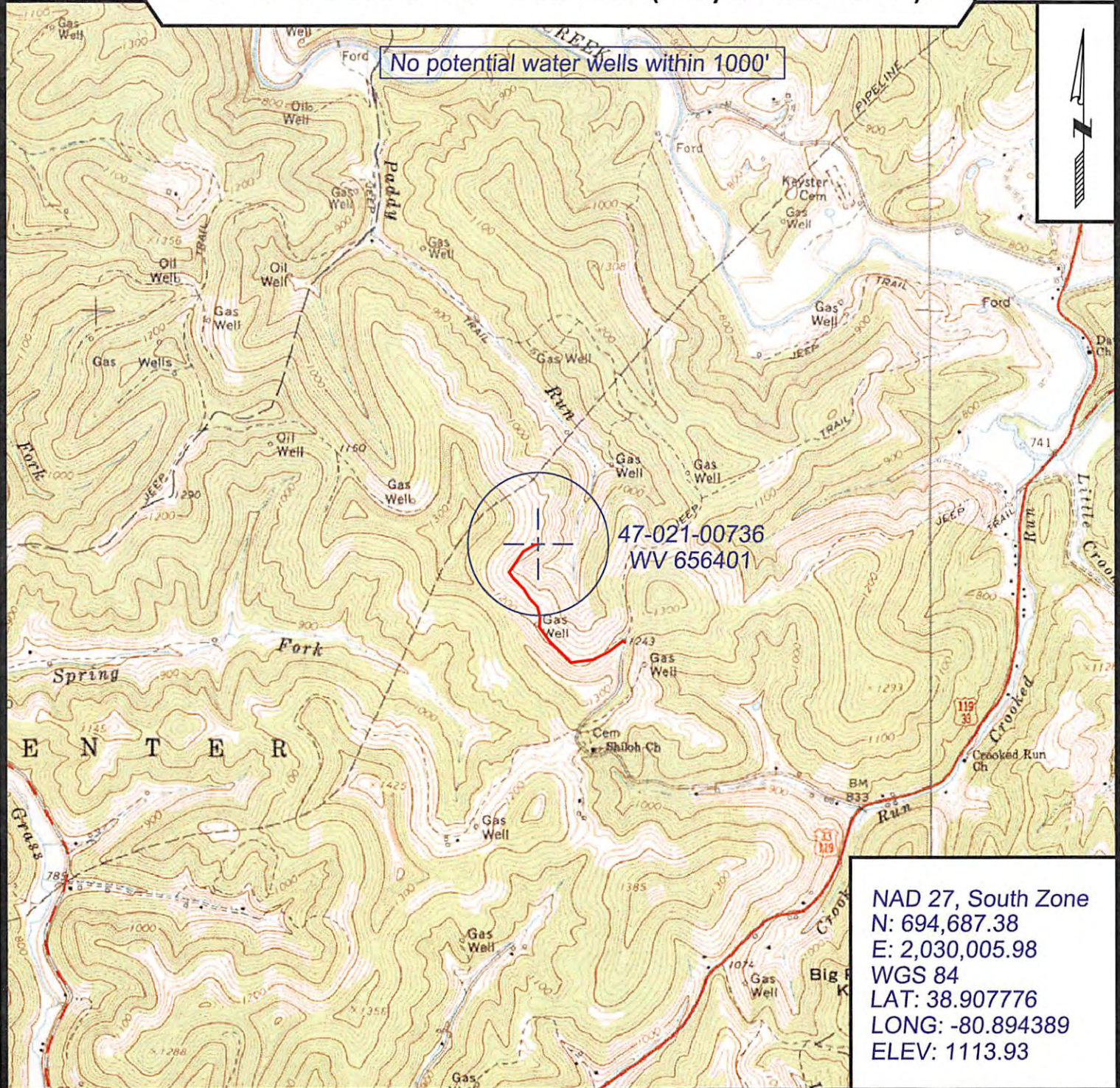
Date: December 16, 2013

District: Center

Project No: 25-19-00-07

Water

47-021-00736 WV 656401 (Floyd Furr 1631)



No potential water wells within 1000'

47-021-00736
WV 656401

NAD 27, South Zone
 N: 694,687.38
 E: 2,030,005.98
 WGS 84
 LAT: 38.907776
 LONG: -80.894389
 ELEV: 1113.93



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PREPARED FOR:

EQT Production Company

P.O. Box 280
 Bridgeport, WV 26330

02/14/2014